

USING SVG TO PROVIDE CUSTOMIZED HOUSING SOLUTIONS FOR LOW-INCOME POPULATION

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Equipo de trabajo

Catarsis 1 - CVP

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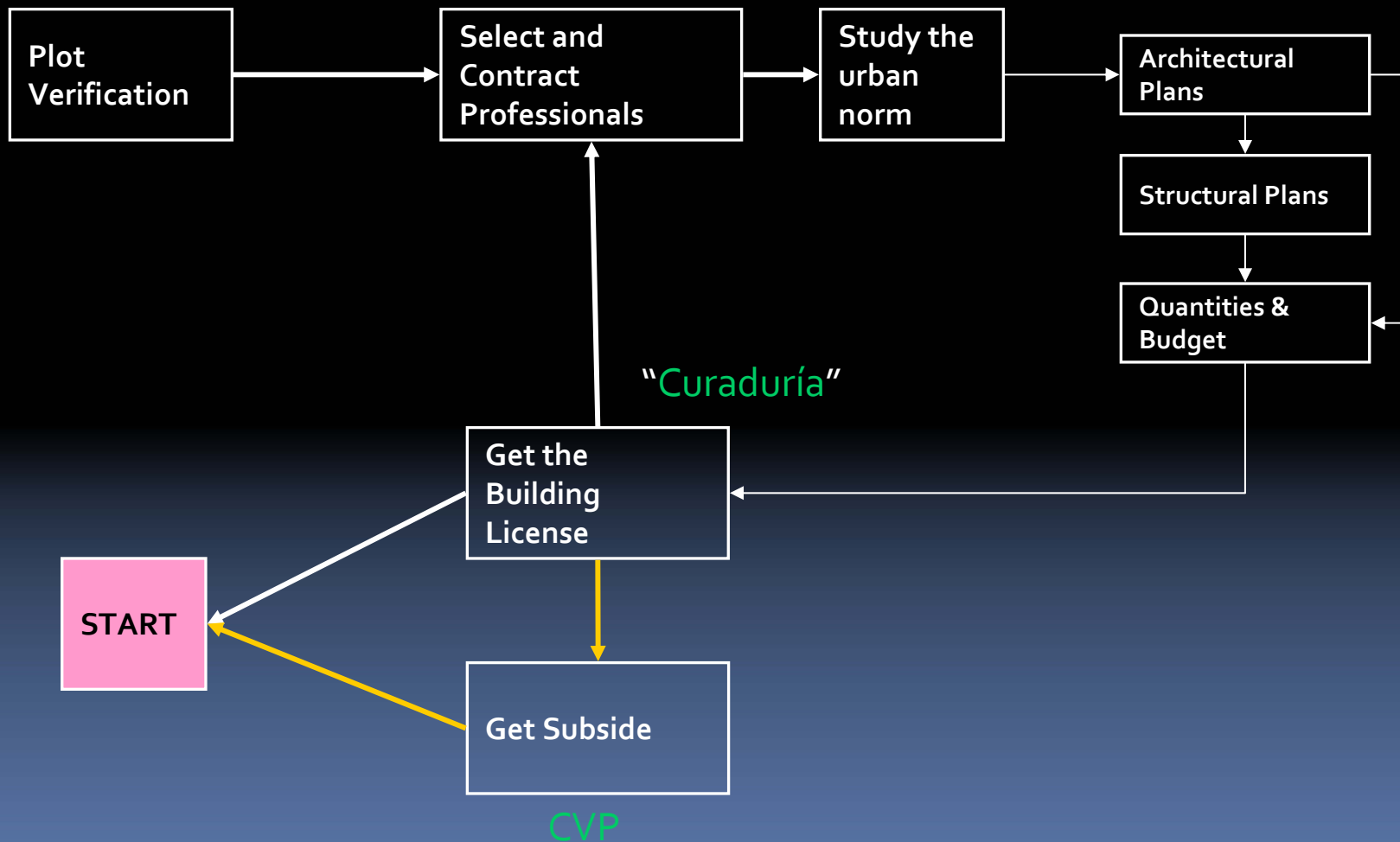
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Legal Construction Process



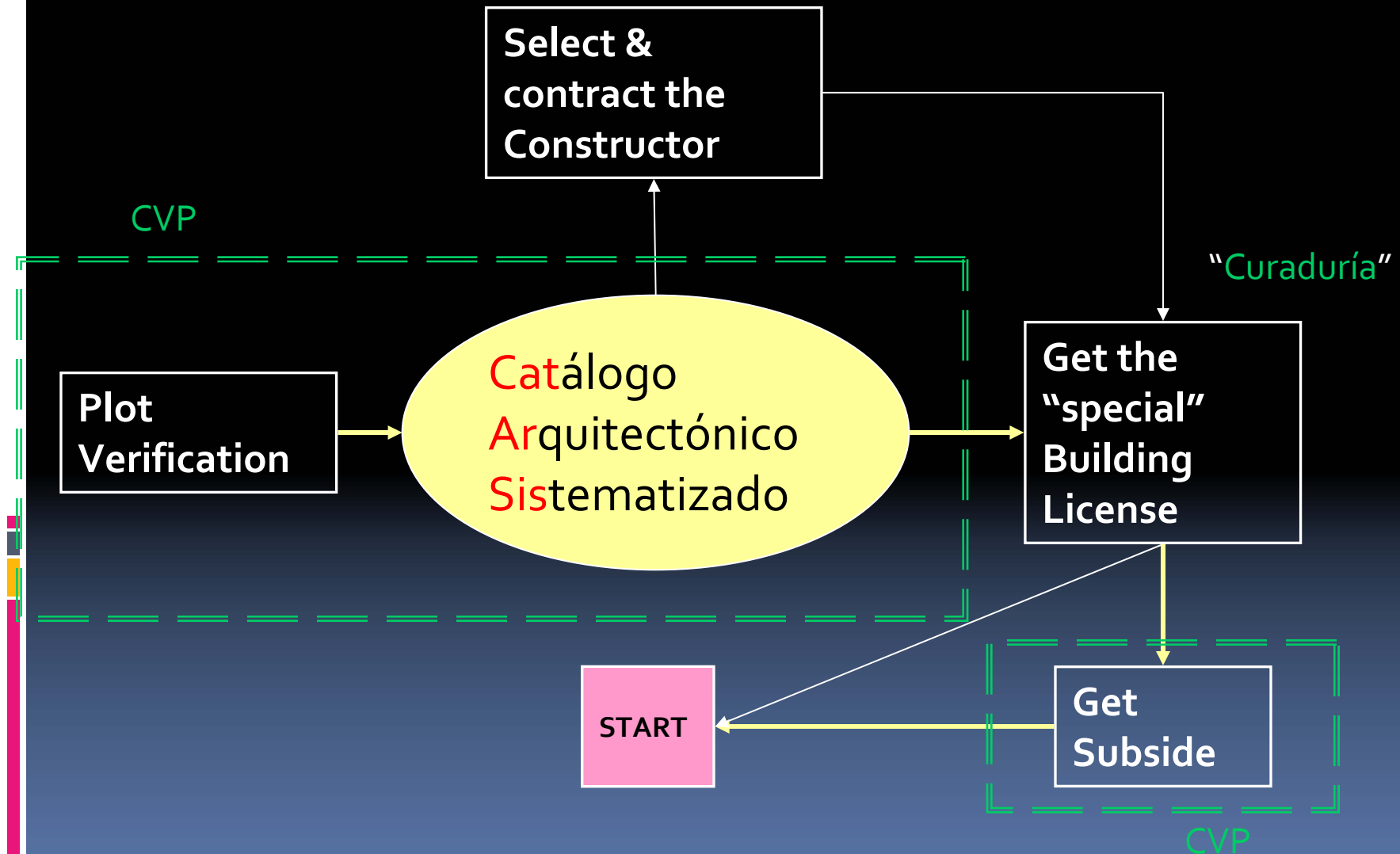
CatArSis' Objective

- Provide low cost professional services to low-income population
- Facilitate the getting of the building license and governmental subsidy to low-income population
- Help CVP/MAVDT to grant subsidies
- Diminish the illegal construction development

The CatArSis' Strategy

- Generate generic architectural models
 - Appropriate to social context
 - Fulfill architectural & technical standards
 - Fully documented
 - Easily personalized
- Socialize these models
 - CVP / MAVDT
 - "Curadurías"
 - Low-income population
 - Construction Companies

The CatArSis' Strategy



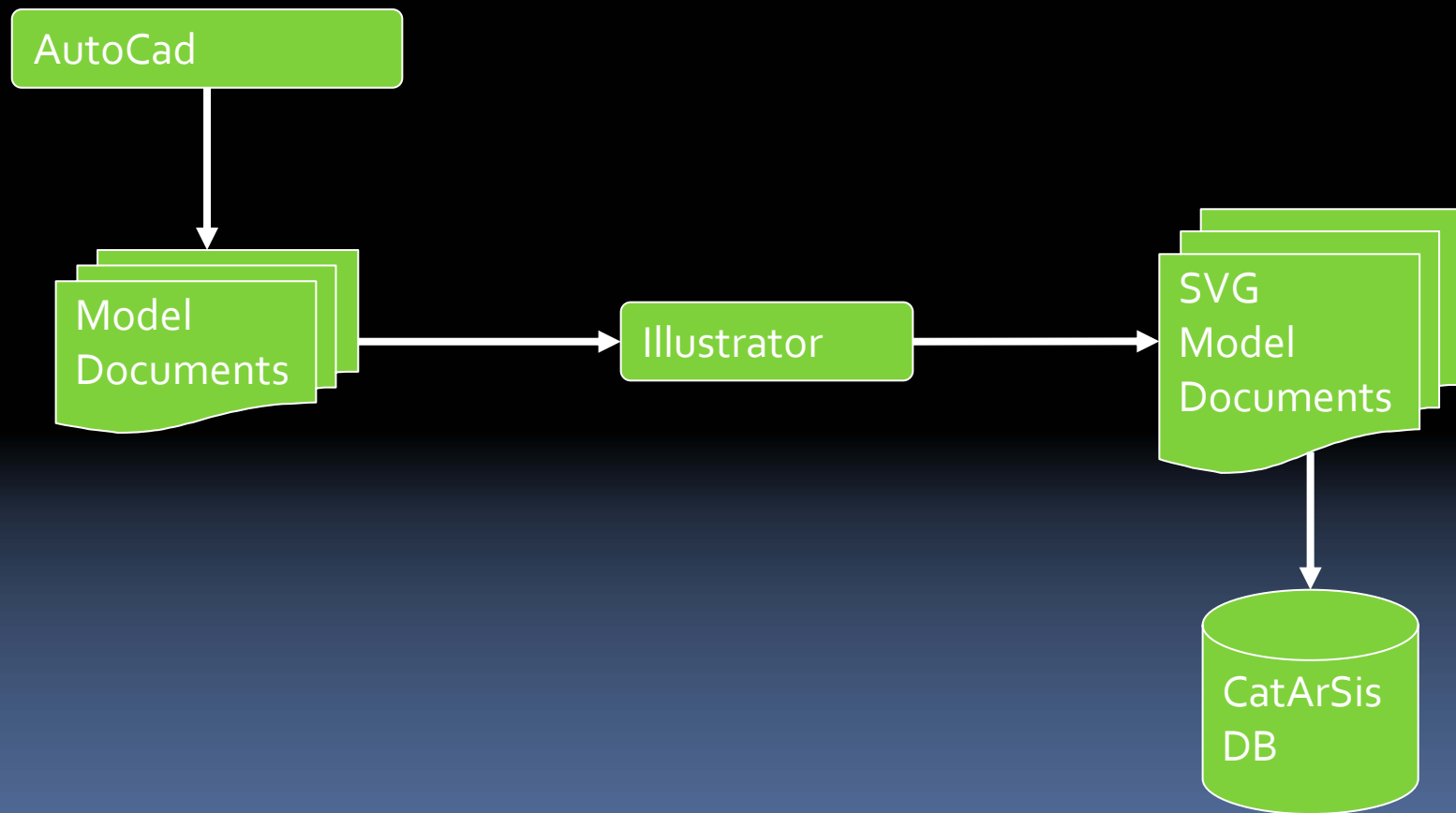
Functional Requirements

- Store the architectural models
- Select the models fitting a plot
- Generate all the model documentation fully personalized
 - Budget
 - Presentation letters

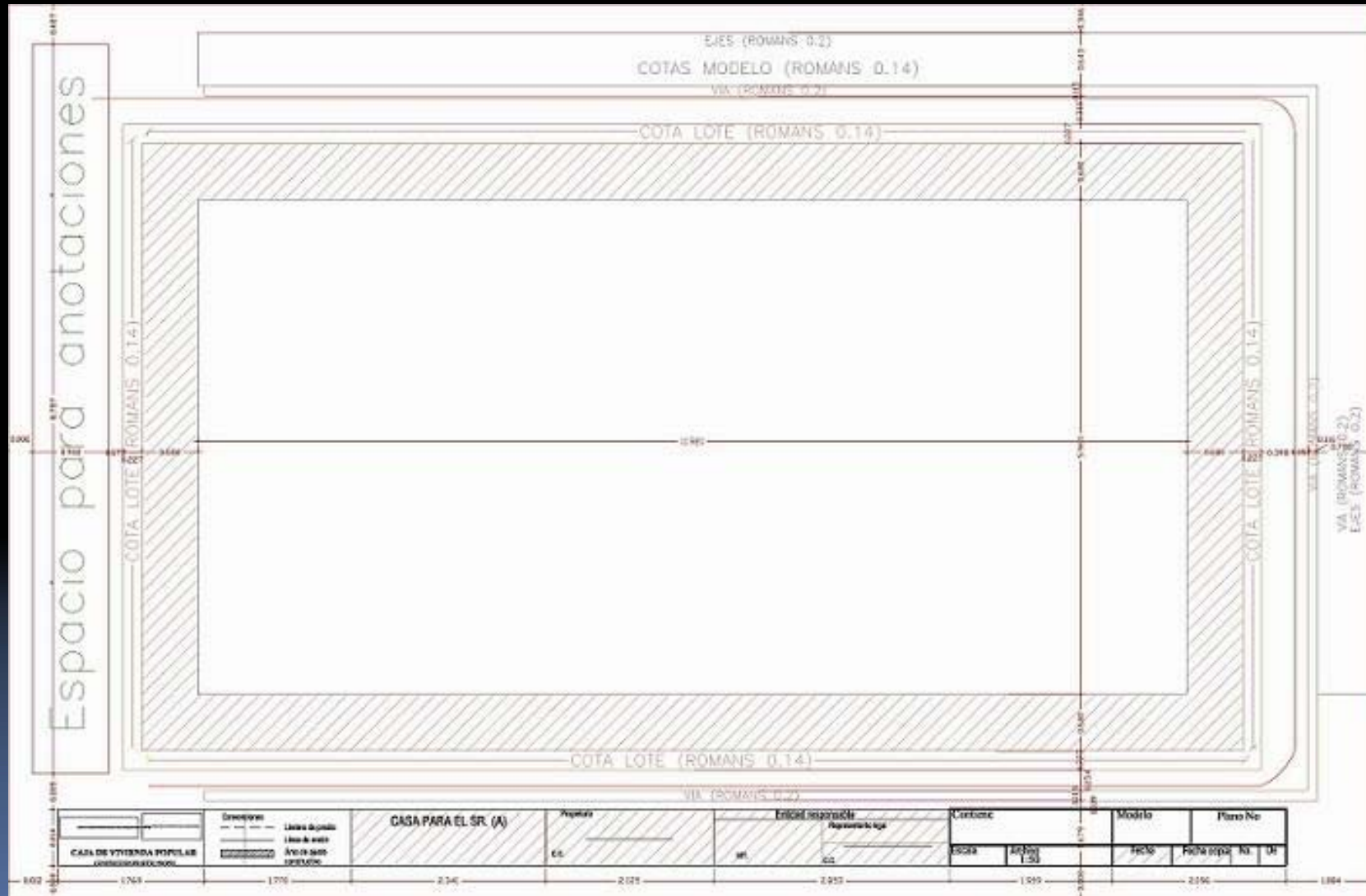
Non Functional Requirements

- Usability
 - Low learning curve
 - Easy to use application
- Low cost implementation
 - Open technologies
 - Java, SVG, postgres
 - Documentation output in legal size sheets of paper

Model Processing

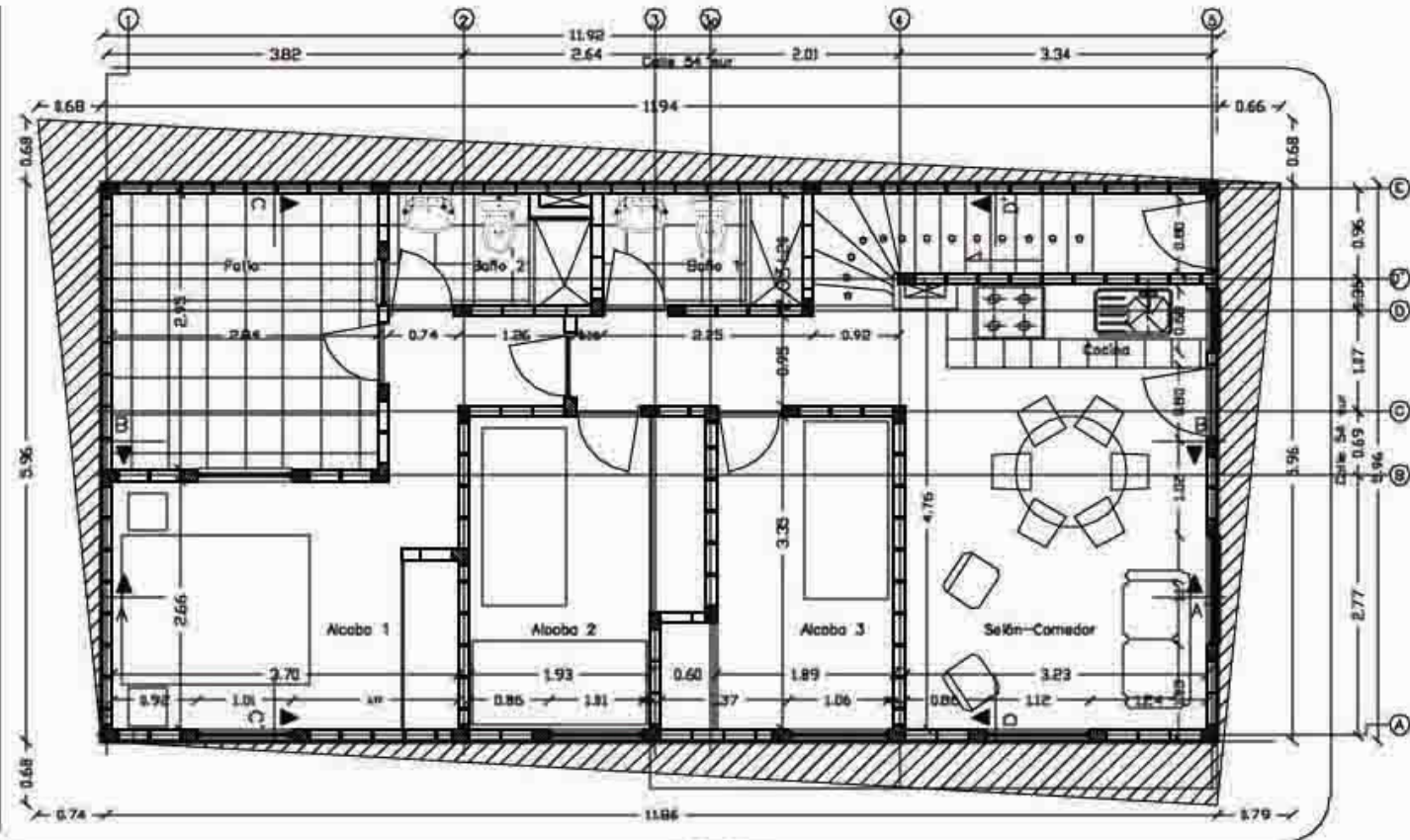


CatArSis' Template



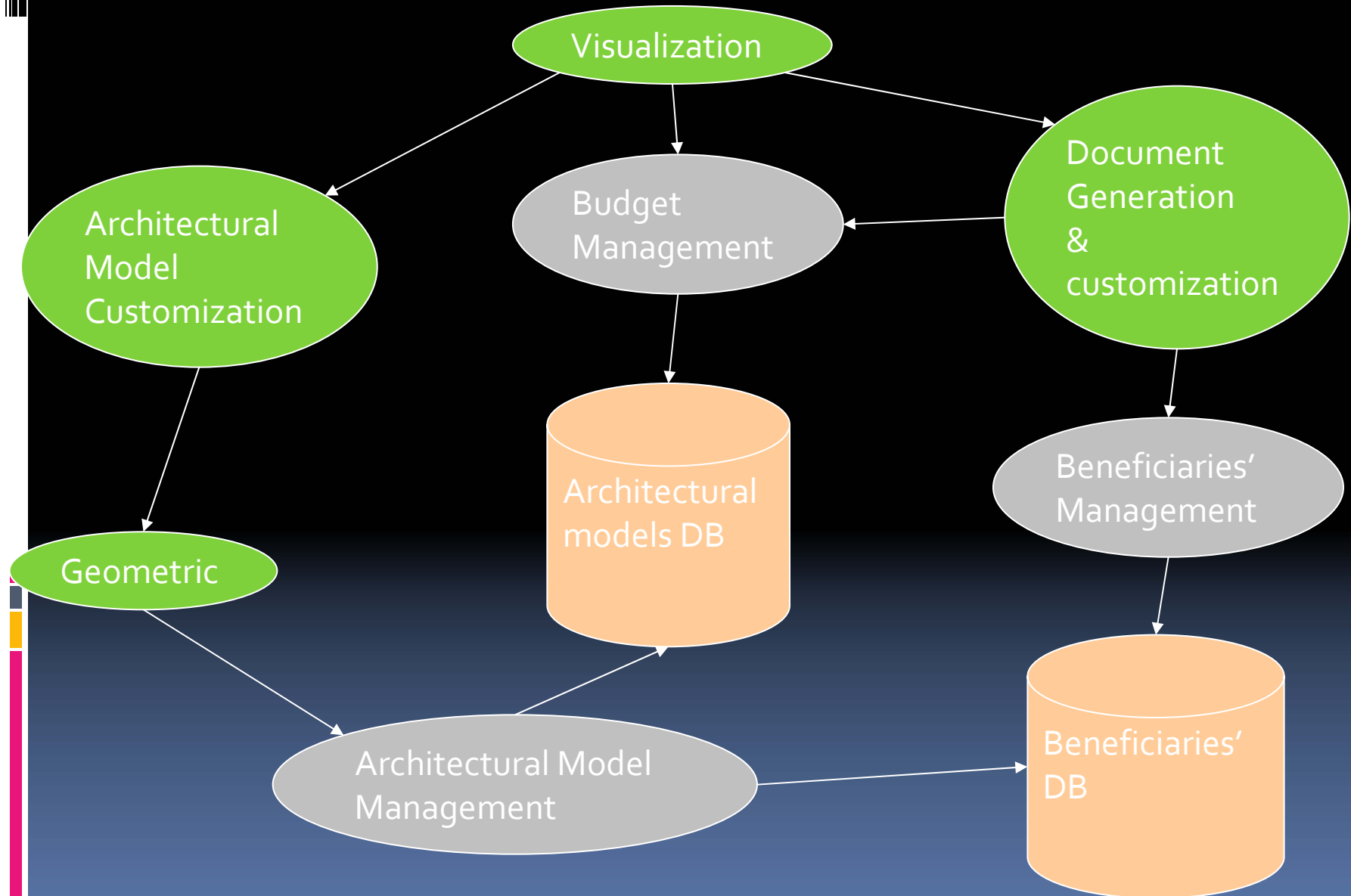
CatArSis' Template

Espacio para anotaciones




CAJA DE VIVIENDA POPULAR <small>INSTITUCIÓN DE FOMENTO</small>		Suplemento Libro de obra Carta de obra Acta de obra Contrato	CASA PARA EL SR. (A) XXXX XXXX XXXXXX	Propietario XXXX XXXXXXXXXXXX D.E. XXXXXXXXXXXX N.I. XXXXXXXX	Ciudad XXXXXXX XXXXX XXXXXXXXXXXX D.C. XXXXXXXXXXXX	Nombre PLANTA BAJA Escala 1:20 Fecha X 00X 00X0	Proyecto No. X00X A002 Fecha 00.0000 No. de 00.0000 Hoja 2 de 24
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Software Architecture





Outcomes

- Spread out CatArSis
 - Generate more models
 - Target other contexts – schools, ...
 - Morphing of models
 - Integration with city applications
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Thank you!